ATTACHMENT B BLANEY-CRIDDLE METHODOLOGY AND REUSE FACTORS

ATTACHMENT B BLANEY-CRIDDLE EXPANATION

The basic B-C formula states that the consumptive use (U) is equal to a seasonal consumptive use factor coefficient (k), times a monthly consumptive use factor (f), therefore U=k*f. F is a function of the mean monthly temperature in degrees Fahrenheit (t) times the monthly percent of daytime hours (p), divided by 100, expressed as f=t*p/100. K is a factor relating the plant water usage for a specific species. K factors are generated under experimental conditions where F and U are measured under tightly controlled conditions. This analysis uses a modified B-C method beginning with a modified (k) factor, explained in Appendix B.

Here, the coefficient (k) is equal to a climatic coefficient, which is related to the mean air temperature (kt), times a coefficient reflecting the growth stage of the crop (kc), (k=kt x kc). In order to approximate evapotranspiration, the following calculations must first be completed:

```
f(m) = (t(m) x p(m))/100,

kt(m) = (0.0173 x t(m)) - 0.314,

kt f (m) = f(m) x kt(m),

U(m) = kt f (m) x kc (m), where,

m = month of year

f(m) = monthly evapotranspiration factor

r(m) = average monthly temperature, (provided)

p(m) = monthly percentage of annual daylight hours, (provided)

kt(m) = kt

U(m) = monthly evapotranspiration

kc(m) = monthly crop coefficient, (provided)
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The effective rainfall for crop evapotranspiration is calculated as a function of the 1-in-10 year drought rainfall as:

```
\begin{split} Rt(1) &= (0.70917~x~(Rt(m)^{~(0.82416)}~) - 0.11556,\\ U1(m) &= 10^{~(0.01226~x~U(m))}\\ F1 &= 0.531747 + (0.295154~x~D) - (0.057697~x~D^2) + (0.003804~x~D^3)\\ Re(m) &= Rt1(m)~x~U1(m)~x~F1,~where \\ Rt1(m) &= monthly~effective~rainfall~factor~considering~1-in-10~monthly~rainfall~Rt(m) = 1-in-10~monthly~rainfall,~(provided)~U1(m) = monthly~effective~rainfall~factor~considering~monthly~evapotranspiration~F1 = soil~factor~D = net~depth~of~application~Re(m) = monthly~effective~rainfall~ \end{split}
```

After the monthly evapotranspiration, U(m), and the monthly 1-in-10 effective rainfall, Re(m), have been determined, the monthly supplemental crop requirement, Sup(m), is calculated as:

Sup(m) = U(m) - Re(m) for each month of the year

Finally, the irrigation quantity needed to supply the supplemental crop requirement Sup(m) is determined by:

$$Q(m) = Sup(m) \times Ka \times A$$
, where

Ka = allocation coefficient multiplier for the irrigation system specified A = irrigated acreage for the crop

Demand Analysis - Future Collier County North

		F	Y 2000 A	Actual F	Reclaime	ed Wate	r Demai	nd (MG)	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
7.7	8.0	8.5	7.2	6.0	5.5	5.8	5.7	5.3	6.7	6.9	7.4	6.7	2,454.6

	Usage	Factor:	s (applie	ed to the	annual	average	e of Blai	1ey-Crio	ldle den	nand)	
1.14	1.19	1.26	1.07	0.89	0.82	0.86	0.85	0.79	1.00	1.03	1.10

Modified Blaney Criddle Model Annual Average Irrigation Demand (MGD)	(0.0)
Mounted Dianey Criquie Model Annual Average irrigation Demand (MC41)	63.3
J	00.0
· · · · · · · · · · · · · · · · · · ·	A

			Alterna	tive Met	thod Irr	igation l	Demand	(MGD)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
72.4	75.3	80.0	67.7	56.4	51.7	54.6	53.6	49.9	63.0	64.9	69.6	63.3	23,091.2

Demand Analysis - Future Collier County South

		F	Y 2000 A	Actual R	Reclaime	d Wate	r Demai	ıd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
3.2	5.3	5.3	5.6	4.0	3.8	3.1	2.3	1.3	2.9	3.3	2.1	3.5	1,283.9

Ţ	Usage Factors* (applied to the annual average of Blaney-Criddle demand)													
	1.14	1.19	1.26	1.07	0.89	0.82	0.86	0.85	0.79	1.00	1.03	1.10		

Modified Blaney Criddle Model Irrigation Demand (MGD)	61.0

			Alterna		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
69.8	72.6	77.1	65.3	54.4	49.9	52.6	51.7	48.1	60.8	62.6	67.1	61.0	22,261.9

^{*}Factors were taken from the Collier County North service area in order to display a more realistic distribution

Demand Analysis - Future Golden Gate

		FY	7 00-01		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.9	0.8	0.8	0.8	0.8	0.8	1.0	0.9	1.5	0.9	0.8	0.9	0.9	331.1

Usage Factors (applied to the annual average of Blaney-Criddle demand)													
0.97	0.92	0.89	0.93	0.89	0.86	1.08	0.97	1.64	0.95	0.92	0.97		

Modified Blaney Criddle Model Irrigation Demand (MGD)	7.0

			Alterna		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
6.8	6.4	6.2	6.5	6.3	6.0	7.6	6.8	11.5	6.6	6.4	6.8	7.0	2,551.9

Demand Analysis - Future Marco Island

		F	Y 00-01	Actual I	Reclaim	ed Wate	r Dema	nd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
1.2	1.5	1.5	1.8	1.5	1.2	0.4	0.7	0.3	1.1	1.5	1.3	1.2	426.2

	Usage	Factors	s* (appli	ed to th	e annua	l averag	ge of Bla	ney-Cri	ddle dei	mand)	
1.14	1.19	1.26	1.07	0.89	0.82	0.86	0.85	0.79	1.00	1.03	1.10

Madified Dlamer Cuiddle Madel Invigation Domand (MCD)	7 1
Modified Blaney Criddle Model Irrigation Demand (MGD)	1 /.11

			Alterna	tive Met	hod Irr	igation 1	Demand	(MGD))			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
8.2	8.5	9.0	7.6	6.4	5.8	6.2	6.1	5.6	7.1	7.3	7.9	7.1	2,607.7

^{*}Factors were taken from the Collier County North service area in order to display a more realistic distribution

Demand Analysis - Future Naples

		FY	Y 00-01	Actual I	Reclaim	ed Wate	r Dema	nd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
6.2	6.2	6.1	6.1	6.0	6.0	6.1	6.1	6.1	6.2	6.1	6.1	6.1	2,227.7

	Usage	Factors	* (appli	ed to th	e annua	l averag	ge of Bla	ney-Cri	ddle de	mand)	
1.14	1.19	1.26	1.07	0.89	0.82	0.86	0.85	0.79	1.00	1.03	1.10

1	Modified Blaney Criddle Model Irrigation Demand (MGD)	1 15 17
1	modified Didney Critatic model in rigulatin Demand (mod)	1.5.1

			Alterna	tive Met	hod Irr	igation]	Demand	(MGD))			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
17.3	18.0	19.1	16.2	13.5	12.3	13.0	12.8	11.9	15.0	15.5	16.6	15.1	5,509.9

^{*}Factors were taken from the Collier County North service area in order to display a more realistic distribution

Demand Analysis - Future Bonita Springs

	FY 2001 Actual Reclaimed Water Demand (MGD)												Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
2.9	2.9	3.1	2.8	2.3	2.1	2.0	2.4	2.6	2.8	2.9	3.0	2.6	966.6

Γ			Usage F	actors (applied	to aver	age of B	laney-C	riddle d	emand)		
Γ	1.08	1.09	1.17	1.07	0.86	0.81	0.75	0.92	0.96	1.07	1.08	1.12

	f
NOTE OF THE PROPERTY OF THE PR	01 5
Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	21.5
modified bidney critical minder minder mana (mass)	7.00

			Alterna	tive Met	hod Irr	igation l	Demand	(MGD))			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
23.2	23.5	25.2	23.0	18.6	17.4	16.1	19.8	20.7	23.1	23.2	24.2	21.5	7,846.9

^{*}Demands provided by Resource Conservation Services

Demand Analysis - Future Cape Coral

		F	Y 2000 A	Actual R	Reclaime	d Water	r Demai	nd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
20.5	24.1	26.5	32.4	32.5	15.9	12.9	11.3	9.3	22.8	30.3	21.7	21.7	7,909.6

Usage Factors (applied to average of Blaney-Criddle demand)											
0.94	1.11	1.22	1.49	1.50	0.73	0.60	0.52	0.43	1.05	1.40	1.00

Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	56.1

			Alterna		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
53.0	62.4	68.4	83.7	84.1	41.1	33.4	29.3	24.0	58.9	78.3	56.1	56.1	20,463.1

Demand Analysis - Future Fiesta Village

		F	Y 2000 A		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
1.0	1.3	1.1	1.2	1.2	0.6	0.4	0.4	0.2	0.9	1.3	1.0	0.9	321.5

Usage Factors* (applied to average of Blaney-Criddle demand)											
1.16	1.43	1.29	1.31	1.31	0.73	0.45	0.41	0.71	1.02	1.51	1.18

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Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	0.21
Middled Didney-Cititate Model Himdal Hitchage Hitgation Demand (1900)	V1

			Alterna	tive Met	hod Irr	igation l	Demand	(MGD))			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
7.1	8.8	8.0	8.1	8.1	4.5	2.8	2.5	4.4	6.3	9.3	7.3	6.4	2,346.6

^{*} The factor for the month of September was modified in order to display a more realistic distribution

Demand Analysis - Future Forest Utility

		FY	7 00-01		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	90.9

Γ			Usage I	actors (applied	to avera	age of B	laney-C	riddle d	emand)		
Ī	1.16	1.12	1.08	1.03	0.95	0.94	0.96	0.83	0.86	1.01	1.00	1.08

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Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	0.9
Middled Blane, Of that of Middle Midd	

	Alternative Method Irrigation Demand (MGD)												Annual Total
Jan												(MGD)	(MGY)
1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.7	0.8	0.9	0.9	1.0	0.9	322.9

Demand Analysis - Future Ft. Myers Beach

		F	Y 2000 A	Actual R	Reclaime	d Wate	r Demai	nd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
2.1	1.9	3.6	3.6	2.8	2.1	2.0	2.0	1.2	2.6	2.8	2.1	2.4	874.8

	1	Usage F	actors*	(applied	to aver	age of E	Blaney-C	Criddle o	lemand))	
0.87	0.77	1.50	1.51	1.18	0.87	0.85	0.84	0.96	1.08	1.19	0.86

Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)			40.0
	Modified Rlaney-Criddle	Model Annual Average Irrigation Demand (MCI))	18.8
	intodiffed Didfier Cridate i	Hodel Amidal Average III guilon Demana (1101)	10.0

				Alterna	tive Met	hod Irr	igation]	Alternative Method Irrigation Demand (MGD)												
\prod	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)						
1	16.3	14.5	28.2	28.3	22.2	16.3	15.9	15.7	18.1	20.4	22.3	16.1	19.5	7,127.3						

^{*}The factor for the month of September was modified in order to display a more realistic distribution

Demand Analysis - Future Ft. Myers Central

		F		Annual Average	Annual Total								
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.7	250.6

	Usage Factors (applied to average of Blaney-Criddle demand)														
0.93	0.96	1.09	1.17	1.14	0.98	0.99	0.98	0.92	0.99	0.95	0.92				

Modified Discour Caiddle Model Assess Assess	Table Description (MCD)	11/
Modified Blaney-Criddle Model Annual Avera	ye irrigation Demand (WiC+D) - /	11.6
	50 million somana (millos)	1.1.0

			Alterna	tive Met	hod Irr	igation :	Demand	(MGD)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
10.8	11.2	12.7	13.5	13.2	11.3	11.5	11.3	10.6	11.5	11.0	10.6	11.6	4,235.3

Demand Analysis - Future Ft. Myers South

													Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
N/A	N/A	N/A	N/A	0.0	0.0								

	., .,	Usage F	actors (applied	to avera	age of B	laney-C	riddle d	emand)		
0	0	0	0	0	0	0	0	0	0	0	0

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WW YARE TO A T T T T T T T T T T T T T T T T T	TO I (NACOTO)	0.0
Modified Blaney-Criddle Model Annual Average Irrigation	n Hamand (M/(CH))	1 () [1]
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1		

			Alterna	tive Met	hod Irr	igation l	Demand	(MGD))			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demand Analysis - Future Gateway

		F	Y 2000 A	Actual F	Reclaime	ed Wate	r Demai	ıd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	107.2

		Usage F	actors (applied	to avera	age of B	laney-C	riddle d	emand)		
0.95	0.91	0.96	0.89	0.93	0.96	0.94	1.12	1.09	1.09	1.11	1.05

Modified Blaney-Criddle Model Annual Average Irrigation Demand (MG	D) 4.5

			Alterna		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
4.2	4.0	4.3	4.0	4.2	4.3	4.2	5.0	4.9	4.9	5.0	4.7	4.5	1,631.8

Demand Analysis - Future Gulf Environmental Services

		FY	Y 00-01	Actual I	Reclaim	ed Wate	r Dema	nd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	276.2

	1	Usage F	actors*	(applied	l to aver	age of E	laney-C	Criddle o	lemand))	
1.08	1.09	1.17	1.07	0.86	0.81	0.75	0.92	0.96	1.07	1.08	1.12

	
Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	1 11 5
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	1

			Alterna	tive Met	hod Irr	igation l	Demand	(MGD)				Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
12.4	12.6	13.5	12.3	10.0	9.3	8.6	10.6	11.1	12.4	12.4	13.0	11.5	4,202.7

^{*}Factors were taken from Bonita Springs service area to display a more realistic distribution

Demand Analysis - Future Lehigh Acres

		FY	Y 00-01	Actual I	Reclaim	ed Wate	r Dema	nd (MG	D)			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.9	0.8	0.8	0.8	0.6	0.8	1.1	1.7	2.4	2.0	1.2	1.2	1.2	438.4

	1	Usage F	actors*	(applied	l to aver	age of E	laney-(Criddle c	lemand))	
0.87	0.77	1.50	1.51	1.18	0.87	0.85	0.84	0.96	1.08	1.19	0.86

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	31 ()
Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	41 U
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industrial Diditor Citable Industrial Interest and Annales in Contract in Contract C	

				Annual Average	Annual Total								
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
27.8	24.7	47.9	48.1	37.8	27.8	27.1	26.8	30.7	34.6	38.0	27.4	33.2	12,128.1

^{*}Factors were taken from Ft. Myers Beach service area to display a more realistic distribution

Demand Analysis - Future North Ft. Myers

		FY	Z 00-01	-	Annual Average	Annual Total							
Jan												(MGD)	(MGY)
0.8	0.8	0.6	1.1	0.9	0.7	0.6	0.3	0.5	0.8	0.8	0.8	0.7	262.5

		Usage F	actors (applied	to avera	age of B	laney-C	riddle d	emand)		
1.10	1.08	0.87	1.48	1.23	1.00	0.82	0.46	0.65	1.07	1.10	1.13

	Madified Diener Chidale M	lodel Annual Average Irrigation	an Donno on al (M// LIN)	17.6
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	induttied bidlie, Criadic in	oudi iniliada in ciago al ligadio.	11 17 CIRRENT (111 GAZ)	1 1,00
- 1				

			Alterna		Annual Average	Annual Total							
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
19.4	19.0	15.4	26.1	21.8	17.7	14.5	8.2	11.4	18.9	19.3	20.0	17.6	6,435.6

Demand Analysis - Future Pine Island

	FY 2001 Actual Reclaimed Water Demand (MGD)												Annual Total
Jan	Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec											(MGD)	(MGY)
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	36.5

	-		Usage I	actors (applied	to aver	age of B	laney-C	riddle d	emand)		
Ī	1	1	1	1	1	1	1	1	1	1	1	1

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Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	5.4
8 8	

			Alterna	tive Met	thod Irr	igation]	Demand	(MGD))			Annual Average	Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	1,982.0

Demand Analysis - Future Sanibel

		F	Y 1999 A	Actual F	Reclaime	d Wate	r Demar	nd (MG)	D)			Annual Average	Annual Total
Jan	Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec												(MGY)
0.8	0.9	1.0	0.9	0.7	0.8	1.0	0.8	0.8	0.7	1.0	0.7	0.8	304.8

		Usage F	actors (applied	to aver	age of B	laney-C	riddle d	emand)		
0.98	1.05	1.19	1.10	0.79	0.91	1.22	0.96	0.91	0.85	1.19	0.84

	Modified Planer Chiddle Model Amnuel Avenage Innigation Demand (MC'II)	1 5
	Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	
٠,	into antical plantage of the state of the st	

	Alternative Method Irrigation Demand (MGD)												Annual Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
3.4	3.7	4.1	3.8	2.7	3.2	4.2	3.3	3.2	3.0	4.1	2.9	3.5	1,267.1

Demand Analysis - Future Waterway Estates

	*		F	Annual Average	Annual Total									
Γ	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
	0.03	0.15	0.03	0.03	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.0	9.2

	Usage Factors (applied to average of Blaney-Criddle demand)												
0.99	5.82	1.27	1.15	1.15	1.50	0.12	0.00	0.00	0.00	0.00	0.00		

	T
	2.0
Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	1 2.81
1 Modified Dianey-Citatio Model Miniati Metage in rigation Demand (1908)	

			Annual Average	Annual Total									
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
2.7	16.1	3.5	3.2	3.2	4.2	0.3	0.0	0.0	0.0	0.0	0.0	2.8	1,010.9

Demand Analysis - Future Waterway Estates

		F	Annual Average Annual To										
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
0.03	0.15	0.03	0.03	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.0	9.2

Usage Factors (applied to average of Blaney-Criddle demand)											
0.99	5.82	1.27	1.15	1.15	1.50	0.12	0.00	0.00	0.00	0.00	0.00

- 1		
- 1	Modified Blaney-Criddle Model Annual Average Irrigation Demand (MGD)	1 40
- 1	Maditiad Rianay-1 riddle Madel Annual Average Irrigation Hemand (MI-11)	1 2.X
- 1	Midulica Diancy-Cilianc Miduci Annual Average Hiligation Demand Miduli	
- 1		

	Alternative Method Irrigation Demand (MGD)													Annual Total
Ja	an	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	(MGD)	(MGY)
2	2.7	16.1	3.5	3.2	3.2	4.2	0.3	0.0	0.0	0.0	0.0	0.0	2.8	1,010.9